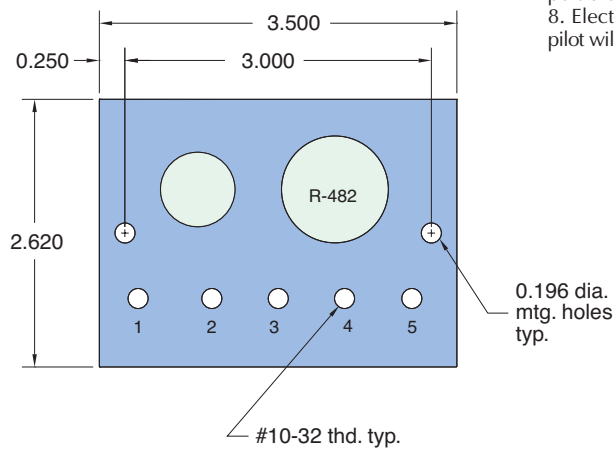
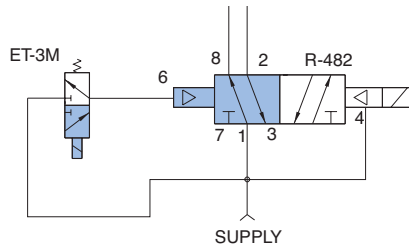




STANDARD PNEUMATIC CIRCUIT BOARDS

CM-010

Circuit Board for Double Electronic Piloted Valve



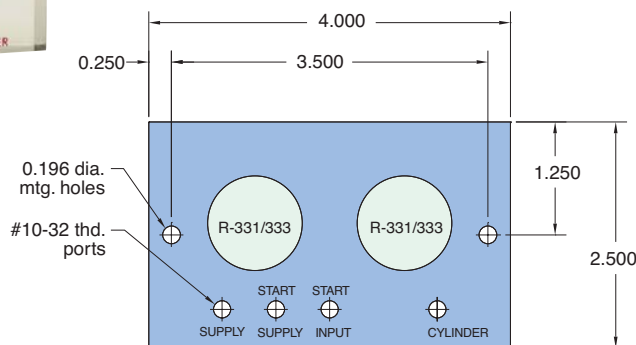
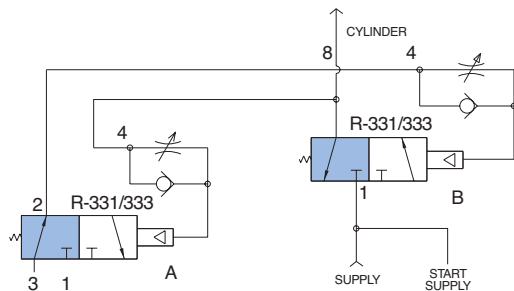
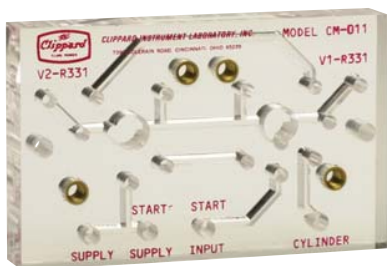
Size: 3 1/2" x 2 5/8" x 5/8" thick - 1 module and one ET-3M-xx valve

Use: Provides mounting for one R-482 solenoid operated valve and one ET-3M valve for a double electronic piloted control circuit.

Operation: Supply air passes to ports 1 and 4 of the R-482 and to the supply port of the ET-3M valve. Starting position of R-482 may vary. Electronic signal to ET-3M will pilot port 6 of R-482 giving output at port 8. Electronic signal to the R-482 ET pilot will shift valve to output at port 2.

CM-011

Circuit Board for Autocycling of Single Acting Cylinder



Size: 4" x 2 1/2" x 9/16" thick - 2 modules

Use: Provides mounting for two R-331 or R-333 modular valves. Circuit provides for automatic cycling of the two modular valves. The needle valve adjustments in the modular valves allow for controlled on/off delay signal providing variable cycle speed.

Operation: With no start input, cylinder will remain in retracted position. Turning on the start input signal causes valve "A" to output from port 2 to port 4 of "B". This signal is restricted in and pilots "B" to shift. When "B" has shifted, air flows through "B" from port 1 to 2 extending the cylinder. This output also goes to port 4 of valve "A" and is restricted in. When sufficient pressure builds to shift "A", the output of "A" drops out exhausting the port 4 pilot of "B" which allows the cylinder to retract to the starting position. Adjustment of the respective flow controls allows individual frequency controls of the extend and retract strokes.